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PATENT  
Attorney Docket No. 2003-42/43

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): SINGH, ET AL.  
SERIAL NO.: 10/805,966 GROUP NO.:  
FILING DATE: March 22, 2004 EXAMINER:  
TITLE: PLASMA IMMERSION ION IMPLANTATION APPARATUS AND  
METHOD

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. §1.97, Applicants hereby make of record the references listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified patent application.

**REMARKS**

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three months of the Filing Date of a national application other than a continued prosecution application under § 1.53(d); or within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; or before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a Final Action or Notice of Allowance, and
- ☐ the Statement required under § 1.97(e) below , OR
- ☐ the fee set forth in § 1.17(p), namely \$180.00, is included herein, or
- ☐ (3) after the mailing date of a Final Action or Notice of Allowance but before the payment of the Issue Fee, AND
- ☐ the Statement required under § 1.97(e) below; and

☐ the fee set forth in § 1.17(p), namely \$180.00 is included herein.

It is respectfully requested that each of the references shown on the attached Form PTO-1449 be made of record in this application.

#### **STATEMENT**

As required under §1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

- ☐ 1. That each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
- ☐ 2. That no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

#### **FEE AUTHORIZATION**

Should any fee associated with the submission of this paper not be attached hereto as a check, the Commissioner is authorized to charge the missing fee to our Deposit Account, No. 501211. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,



Kurt Rauschenbach  
Rauschenbach Patent Law Group, LLC  
Post Office Box 387  
Bedford, MA 01730

Date: January 13, 2005  
Reg. No. 40,137

Tel. No.: (781) 271-1503  
Fax No.: (781) 271-1527



PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

2

**Complete if Known**

Application Number	10/805,966
Filing Date	3/22/2004
First Named Inventor	Singh
Art Unit	
Examiner Name	
Attorney Docket Number	2003-42/43

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	US- 6,755,932 B2	06-29-2004	Masuda, et al.	
	A2	US- 6,744,213 B2	06-01-2004	Wilcoxson, et al.	
	A3	US- 6,632,482 B1	10-14-2003	Sheng	
	A4	US- 6,534,922 B2	03-18-2003	Bhardwaj, et al.	
	A5	US- 6,335,268 B1	01-01-2002	Murzin, et al.	
	A6	US- 6,300,227 B1	10-09-2001	Liu, et al.	
	A7	US- 6,264,812 B1	07-24-2001	Raaijmakers, et al.	
	A8	US- 6,213,050 B1	04-10-2001	Liu, et al.	
	A9	US- 6,205,948 B1	03-27-2001	Guenzel	
	A10	US- 6,186,091 B1	02-13-2001	Chu, et al.	
	A11	US- 6,055,928	05-02-2000	Murzin, et al.	
	A12	US- 6,028,285	02-22-2000	Khater, et al.	
	A13	US- 5,911,832	06-15-1999	Denholm, et al.	
	A14	US- 5,900,699	05-04-1999	Samukawa, et al.	
	A15	US- 5,838,111	11-17-1998	Hayashi, et al.	
	A16	US- 5,354,381	10-11-1994	Sheng	
	A17	US- 2004/0038486 A1	02-26-2004	Chua, et al.	
	A18	US- 2004/0085246 A1	05-06-2004	Howald, et al.	

**FOREIGN PATENT DOCUMENTS**

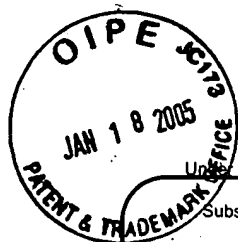
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Number-Kind Code <sup>2</sup> (if known)			
	A19	US- 2004/0107908 A1	06-10-2004	Collins, et al.	
	A20	US- 2004/0107907 A1	06-10-2004	Collins, et al.	
	A21	US- 2004/0107909 A1	06-10-2004	Collins, et al.	
	A22	US- 2004/0107906 A1	06-10-2004	Collins, et al.	
	A23	US- 2004/0112542 A1	06-17-2004	Collins, et al.	
	A24	US- 2004/0149218 A1	08-05-2004	Collins, et al.	
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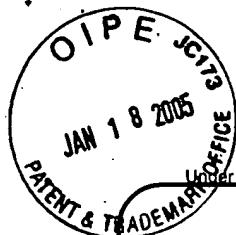
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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**TRANSMITTAL  
FORM**

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Total Number of Pages in This Submission

5

Application Number

10/805,966

Filing Date

03/22/2004

First Named Inventor

SINGH

Art Unit

Examiner Name

Attorney Docket Number

2003-42/43

**ENCLOSURES (Check all that apply)**☐

Fee Transmittal Form

☐

Fee Attached

☐

Amendment/Reply

☐

After Final

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Affidavits/declaration(s)

☐

Extension of Time Request

☐

Express Abandonment Request

☒

Information Disclosure Statement

☐

Certified Copy of Priority Document(s)

☐Reply to Missing Parts/  
Incomplete Application☐Reply to Missing Parts  
under 37 CFR 1.52 or 1.53☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐Petition to Convert to a  
Provisional Application☐

Power of Attorney, Revocation

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After Allowance Communication to TC

☐Appeal Communication to Board  
of Appeals and Interferences☐Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)☐

Proprietary Information

☐

Status Letter

☒Other Enclosure(s) (please identify  
below):PTO-1449 FORM (2 pgs.);  
Return Receipt Postcard.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Rauschenbach Patent Law Group, LLC

Signature

Printed name

Kurt Rauschenbach

Date

January 13, 2005

Reg. No.

40,137

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Date

January 13, 2005

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